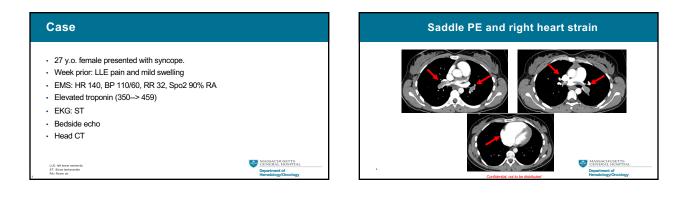
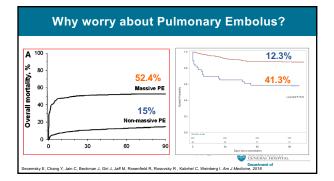
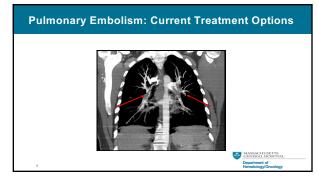
The Team Approach to PE Management: The National PERT Consortium

Rachel P. Rosovsky, MD, MPH 🕺 🕺	💥 @RosovskyRachel		
Director, Thrombosis Research, Dept of Hematology, Mass General Hospital Associate Professor of Medicine, Harvard Medical School	HARVARD		
Immediate Past President, The PERT Consortium ™	Massachusetts General Hospital Feeding Member, Mass General Brigham		

Rachel P. Rosovsky, MD, MPH	
Institutional Research Support:	
BMS, Janssen	
Advisory/Consultant:	
 Abbott, BMS, Boston Scientific, Dova, Inari, Inquis 	, Janssen, Penumb
National Lead Investigator, Storm-PE, Penumbra	
 Immediate Past President, The PERT Consortium[™] 	
	GENERAL HOSPITA
	Department of Hematology/Oncology

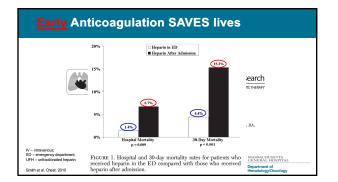




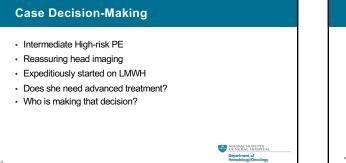


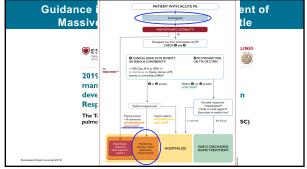


Antico	agula	tion S	aves	Lives
TREATMEN	T OF P A CONTR	ULMONA	RY EM RIAL	
Group	Total	Deaths from pulmonary embolism	Non-fatal recurrences	Other deaths
Untreated	19	5	5	0
Treated	16	0	Ō	1
TABLE I	II-RESULTS I	N COMPLETE S	eries of 73 c	ASES
Group	Total	Deaths from pulmonary embolism	Non-fatal recurrences	Other deaths
Untreated	19	5	5	0



	Ris	k Str	atificatio	on for <i>i</i>	Acute	PE
Early montality ri	sk		Indicat	ars of risk		
		Haemodynamic instability®	Clinical parameters of PE severity and/or comorbidity PESI class III-V or sPESI vi	RV dysfunction on TTE or CTPA®	Elevated cardiac troponin levels ^c	Primary reperfusion +
High			(+)#	•	[+]	anticoagulation
Intermediate	Intermediate-high			\odot	\odot	Anticoagulation ±
Intermediate Intermediate-low			10 C	One (or none) positive		rescue reperfusion
Low					Assessment optional; if assessed, negative	Anticoagulation ± early discharge
	v	/here d	oes our pat	ient fit in	?	

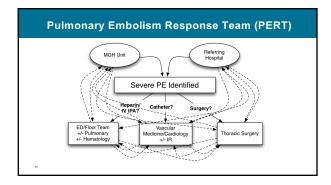


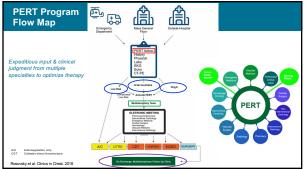


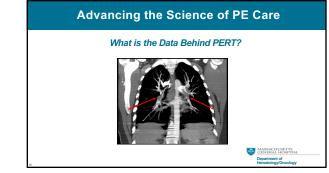
The Challenge of PE Treatment

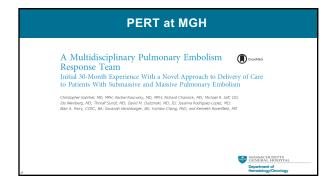
- Best treatment unknown lack of high quality comparative data
- Rapid advancements in interventional tools
- · Varying and conflicting guidelines

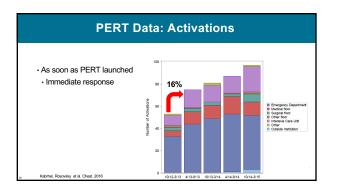
Impetus for PERT: Pulmonary Embolism Response Team

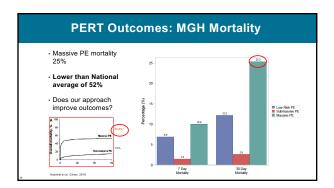


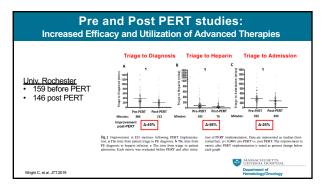




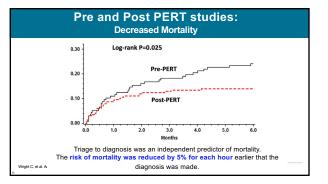


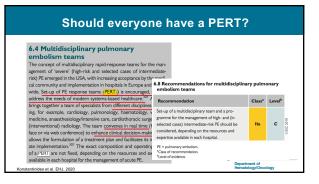






Variable	Pre-PERT (n = 343)	PERT (n = 426)	p Valu
(A) Entire cohort			
Supportive care/no anticoagulation	25 (7.3%)	18 (4.2%)	0.082
Standard management	318 (92.7%)	408 (95.8%)	0.082
Anticoagulation alone	309 (97.2%)	385 (94.4%)	0.071
Advanced strategies	9 (2.8%)	23 (5.6%)	0.071
Time to therapeutic anticoagulation (hours)	16.3 ± 23.3	12.6 ± 14.9	0.009
First anticoagulant used			
Heparin	264 (83.0%)	356 (87.2%)	0.113
Enoxaparia	50 (15.7%)	49 (12.0%)	0.232
Bivaliredin	3 (0.9%)	2 (0.5%)	0.658
Fondaparinux	1(0.3%)	2 (0.5%)	1.000
Rivaroxaban	0(0%)	1 (0.2%)	1.000
Inferior yena caya filter	76 (22.2%)	70 (16.4%)	0.004
Major + Clinically relevant normajor bleeding	54/318 (17.0%)	34/408 (8.3%)	0.002
Mortality (30-day or inpatient)	29 (8.5%)	20 (4.7%)	0.034
Variable	Pre-PERT (n = 289)	PERT (n = 378)	p Value
(B) Intermediate/high-risk patients			
Supportive care/no anticongatation	24 (8.3%)	17 (4.5%)	0.051
Standard management	265 (91.7%)	361 (95,5%)	0.051
Anticoagulation alone	256 (96.6%)	338 (93.6%)	0.102
Advanced strategies	9(3.4%)	23 (6.4%)	0.102
Time to therapeutic anticoagulation (hours)	16.8 ± 24.5	13.2 ± 15.7	0.025
First anticoagulant used			
Heparin	220 (83.0%)	315 (87.3%)	0.168
Encouparin	42 (15.8%)	41 (11.4%)	0.121
Bivaliradin	2 (0.8%)	2 (0.6%)	1.000
Fondaparinux	1 (0.4%)	2 (0.6%)	1.000
Rivaroxaban	0(0%)	1(0.3%)	1.000
Inferior vena cava filter	71 (24.6%)	61 (16,1%)	0.005
Major + Clinically relevant non-major bleeding	51/265 (19.2%)	31/361 (8.6%)	<0.001
Mortality (30-day or inputient)	29 (10.0%)	20 (5.3%)	0.020









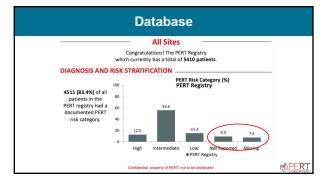
The PERT Consortium Programs

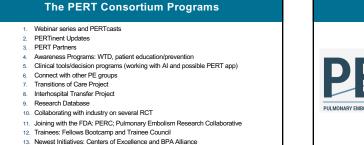
- Webinar series and PERTcasts 1
- PERTinent Updates PERT Partners 2.
- 3. 4.
- Awareness Programs: WTD, patient education/prevention Clinical tools/decision programs (working with AI and possible PERT app) 5.
- Connect with other PE groups 6.
- Transitions of Care Project
 Interhospital Transfer Project
- Research Database 9.
- 10. Collaborating with industry on several RCT
- 11. Joining with the FDA: PERC; Pulmonary Embolism Research Collaborative 12. Trainees: Fellows Bootcamp and Trainee Council

WTD: World Throm

- 13. Newest Initiatives: Centers of Excellence and BPA Alliance
- 14. Programs: Annual Scientific Meeting

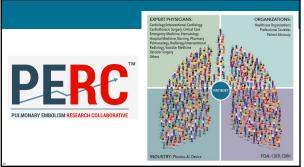


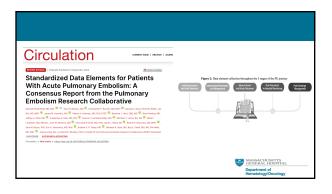




WTD: World T

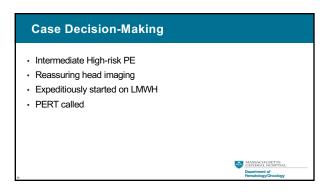
14. Programs: Annual Scientific Meeting





The PERT Consortium Programs Webinar series and PERTcasts 1 PERTinent Updates PERT Partners 2 З. Awareness Programs: WTD, patient education/prevention Clinical tools/decision programs (working with Al and possible PERT app) 4 5. Connect with other PE groups 6. Transitions of Care Project Interhospital Transfer Project Research Database 9. 10. Collaborating with industry on several RCT 11. Joining with the FDA: PERC; Pulmonary Embolism Research Collaborative 12. Trainees: Fellows Bootcamp and Trainee Council 13. Newest Initiatives: Centers of Excellence and BPA Alliance 14. Programs: Annual Scientific Meeting WTD: World Throm

The PERT Consortium Programs





Results



Fc	ollow up
Discharged 3 days later Additional work up	
и	CANADA CLINICATION CONTINUEL INCOMPTAL Department of Hematology/Choology

PERT: Closing Reflections

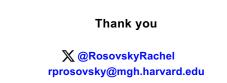
- · Pulmonary embolism is a major cause of morbidity and mortality
- PERT represents a paradigm shift in treating PE .
- Immediately and simultaneously engages multiple experts to determine best course of action. - Multidisciplinary: streamlines care
- PERTs have become prevalent across the US and the world
- PERTS have become prevalent actoss the Co and the work
 PERTS improve care of PE through clinical care, education and research
 time to diagnosis, anticagulation, LOS, education, mortality
 - The PERT Consortium:

 - Quality database
 Platform for large scale PE trials
 - Collaboration with FDA: PERC
 - Centers of Excellence
 - Alone we can do so little. Together we can do so much

Join US

REGISTER NOW 11TH ANNUAL PULMONARY EMBOLISM SCIENTIFIC SYMPOSIUM





MASSACHUSETTS GENERAL HOSPITAL